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APPLICATION NO.	FILING	DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/054,957	4,957 01/25/2002		Theodore W. Houston	TI-25900.1	9230
23494	7590 02/10/2005			EXAMINER	
TEXAS IN:	STRUMENT	S INCORPOR	THOMAS, TONIAE M		
	OX 655474, M/S 3999 AS, TX 75265			ART UNIT	PAPER NUMBER
D.I.D.D. I.			2822		

DATE MAILED: 02/10/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/054,957	HOUSTON ET AL.				
	Office Action Summary	Examiner	Art Unit				
		Toniae M. Thomas	2822				
	The MAILING DATE of this communication app						
Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
	Responsive to communication(s) filed on 12 December 2003 . This action is FINAL . 2b) This action is non-final. Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)□ 6)⊠ 7)□							
Applicati	ion Papers						
10)⊠	The specification is objected to by the Examine. The drawing(s) filed on <u>25 January 2002</u> is/are: Applicant may not request that any objection to the capplacement drawing sheet(s) including the correction to the oath or declaration is objected to by the Examine.	a)⊠ accepted or b)⊡ objected drawing(s) be held in abeyance. See on is required if the drawing(s) is objected.	37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment	t(s)						
1) Notice 2) Notice 3) Inforn	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) 'No(s)/Mail Date	4) Interview Summary (I Paper No(s)/Mail Dat 5) Notice of Informal Pa 6) Other:	e´.				

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DETAILED ACTION

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1. In view of the appeal brief filed on 12 December 2003, PROSECUTION IS HEREBY REOPENED, and the amendment filed on 09 October 2003 under 37 CFR 1.116 has been entered. A new ground of rejection is set forth below.

- 2. To avoid abandonment of the application, appellant must exercise one of the following two options: (1) file a reply under 37 CFR 1.111 (if this Office action is non-final) or a reply under 37 CFR 1.113 (if this Office action is final); or, (2) request reinstatement of the appeal.
- 3. If reinstatement of the appeal is requested, such request must be accompanied by a supplemental appeal brief, but no new amendments, affidavits (37 CFR 1.130, 1.131 or 1.132) or other evidence are permitted. See 37 CFR 1.193(b)(2).
- 4. Currently, claims 9-11 and 24-26 are pending. Of these, claims 9, 11, 23, and 26 have been withdrawn from further consideration. Since a divisional has been filed for claims 9, 11, 23, and 26, these claims should be canceled in the current application.
- 5. In the final Office action mailed on 09 September 2003, claims 10 and 25 as presented in the amendment filed on 30 June 2003 were rejected under 35 USC §112, first paragraph for containing subject matter not supported by the originally filed specification; and under 35 USC §112, second paragraph for being indefinite. Also in that action, claims 10 and 25 were rejected under 35 USC §102(b). Applicant's arguments with respect to the rejection of claims 10

and 25 under 35 USC §112, first paragraph have been fully considered and are persuasive (see page 4, line 22 through page 5, line 7 of the appeal brief filed on 12 December 2003). Similarly, the amendment filed on 09 October 2003 has overcome the rejection of claims 10 and 25 under 35 USC §112, second paragraph and under 35 USC §102(b). Therefore, the rejections under 35 USC §112, first and second paragraphs, and 35 USC §102(b) set forth in the final action mailed on 09 September 2003 have been withdrawn.

6. However, upon further consideration, a new ground of rejection is made in view of newly found prior art reference Jones et al. (US 4,212,683). A rejection of claims based on the new reference follows.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 7. Claims 10 and 25 are rejected under 35 U.S.C. 102(b) as being anticipated by Jones et al. (US 4,212,683).

The Jones et al. patent (Jones) discloses a transistor (see figs. 1-6 and accompanying text). The transistor comprises: a semiconductor substrate 11 having first and second spaced apart source/drain regions 12 and 13 therein

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(fig. 2 and); and a channel region between the source/drain regions in the substrate having a relatively low V_T central region 27 between the source/drain regions and relatively high V_T regions 28 and 29 adjacent to the source/drain regions (fig. 6; col. 4, lines 62-64; col. 5, lines 28-37; and col. 6, lines 3-11), the channel region having an implanted negative V_T dopant intermediate the source/drain regions (fig. 6 and col. 4, lines 62-68) and having an implanted positive V_T dopant adjacent the source/drain regions that is opposite the dopant in the central or intermediate region 27 (fig. 6 and col. 5, lines 28-37).

The first source/drain region 12 is a source region and the second source/drain region 13 is a drain region (col. 4, lines 34-37).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Toniae M. Thomas whose telephone number is (571) 272-1846. The examiner can normally be reached on Monday-Thursday from 8:30 a.m. to 5:30 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Amir Zarabian can be reached on (571) 272-1852. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mary Wilczewski Primary Examiner

TMT 02 February 2005

 $^{^{1}}$ The term "opposite' as it is used in the claim is interpreted to mean "opposite conductivity type."